

Product datasheet

Specifications



base unit SEP383 for Sepam series 80 - 24...250 V - with advanced UMI

59704

⚠ To be discontinued on: 31 Dec 2026

⚠ To be end-of-service on: 31 Dec 2030

⚠ To be discontinued

EAN Code: 3303430597049

Main

Range of product	Sepam series 80
Device short name	SEP383
User machine interface type	Advanced

Complementary

UMI indication	Status of logic inputs Logipam data Metering and diagnosis data Main protection settings Version of Sepam and remote modules List of activated protection functions Alarms and operating messages
UMI control	Alarm acknowledgement Output testing Sepam reset
Display resolution	128 x 64 pixels
Number of key	9
Local signalling	2 LEDs for Sepam operating status (back part) 2 LEDs for Sepam operating status (front face) 9 LEDs for indication of parameters (front face)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Output type	<p>Annunciation relay: 100...240 V AC 47.5...63 Hz continuous current: 2 A breaking capacity: 1 A $\cos \varphi > 0.3$</p> <p>Annunciation relay: 127 V DC continuous current: 2 A breaking capacity: 0.5 A L/R < 20 ms</p> <p>Annunciation relay: 220 V DC continuous current: 2 A breaking capacity: 0.15 A L/R < 20 ms</p> <p>Annunciation relay: 24 V DC continuous current: 2 A breaking capacity: 2 A L/R < 20 ms</p> <p>Annunciation relay: 48 V DC continuous current: 2 A breaking capacity: 1 A L/R < 20 ms</p> <p>Control relay: 100...240 V AC 47.5...63 Hz continuous current: 8 A breaking capacity: 5 A $\cos \varphi > 0.3$ making capacity: < 15 A for 200 ms</p> <p>Control relay: 100...240 V AC 47.5...63 Hz continuous current: 8 A breaking capacity: 8 A resistive making capacity: < 15 A for 200 ms</p> <p>Control relay: 127 V DC continuous current: 8 A breaking capacity: 0.2 A L/R < 40 ms making capacity: < 15 A for 200 ms</p> <p>Control relay: 127 V DC continuous current: 8 A breaking capacity: 0.5 A L/R < 20 ms making capacity: < 15 A for 200 ms</p> <p>Control relay: 127 V DC continuous current: 8 A breaking capacity: 0.7 A resistive making capacity: < 15 A for 200 ms</p> <p>Control relay: 220 V DC continuous current: 8 A breaking capacity: 0.1 A L/R < 40 ms making capacity: < 15 A for 200 ms</p> <p>Control relay: 220 V DC continuous current: 8 A breaking capacity: 0.2 A L/R < 20 ms making capacity: < 15 A for 200 ms</p> <p>Control relay: 220 V DC continuous current: 8 A breaking capacity: 0.3 A resistive making capacity: < 15 A for 200 ms</p> <p>Control relay: 24 V DC continuous current: 8 A breaking capacity: 4 A L/R < 40 ms making capacity: < 15 A for 200 ms</p> <p>Control relay: 24 V DC continuous current: 8 A breaking capacity: 6 A L/R < 20 ms making capacity: < 15 A for 200 ms</p> <p>Control relay: 24 V DC continuous current: 8 A breaking capacity: 8 A resistive making capacity: < 15 A for 200 ms</p> <p>Control relay: 48 V DC continuous current: 8 A breaking capacity: 1 A L/R < 40 ms making capacity: < 15 A for 200 ms</p> <p>Control relay: 48 V DC continuous current: 8 A breaking capacity: 2 A L/R < 20 ms making capacity: < 15 A for 200 ms</p> <p>Control relay: 48 V DC continuous current: 8 A breaking capacity: 4 A resistive making capacity: < 15 A for 200 ms</p>
[Us] rated supply voltage	24/250 V DC tolerance: - 20...10 % maximum consumption: < 16 W
Supply inrush current	< 10 A for 10 ms at 24/250 V DC
Battery type	Lithium 3.6 V size: 1/2 AA
Battery life	10 year(s) (Sepam energized) 8 year(s) (Sepam not energized)
Mounting mode	Fixed
Mounting support	Plate
Height	222 mm
Width	264 mm
Depth	89.7 mm
Net weight	3.62 kg
Power frequency dielectric withstand	2 kV during 1 min conforming to IEC 60255-5 1 kV (indication output) during 1 min conforming to ANSI C37.90 1.5 kV (control output) during 1 min conforming to ANSI C37.90
[Uimp] rated impulse withstand voltage	5 kV (1.2/50 μ s) conforming to IEC 60255-5
Mechanical robustness	<p>Earthquakes in operation (level: 2) : 1 Gn (vertical axes) conforming to IEC 60255-21-3</p> <p>Earthquakes in operation (level: 2) : 2 Gn (horizontal axes) conforming to IEC 60255-21-3</p> <p>Jolts de-energized (level: 2) : 20 Gn/16 ms conforming to IEC 60255-21-2</p> <p>Shocks de-energized (level: 2) : 27 Gn/11 ms conforming to IEC 60255-21-2</p> <p>Shocks in operation (level: 2) : 10 Gn/11 ms conforming to IEC 60255-21-2</p> <p>Vibrations de-energized (level: 2) : 2 Gn, 10 Hz...150 Hz conforming to IEC 60255-21-1</p> <p>Vibrations in operation (level: 2) : 1 Gn, 10 Hz...150 Hz conforming to IEC 60255-21-1</p> <p>Vibrations in operation (level: Fc) : 2 Hz...13.2 Hz, a = +/- 1 mm conforming to IEC 60068-2-6</p>

Environment

Standards	CSA C22.2 No 14-95 CSA C22.2 No 94-M91 EN 50263 CSA C22.2 No 0.17-00 UL 508
Product certifications	UL 508 file N° 212533 CE C22.2 file N° 210625
Fire resistance	650 °C conforming to IEC 60695-2-11
IP degree of protection	Other panels: IP20 conforming to IEC 60529 Front panel: IP52 conforming to IEC 60529
NEMA degree of protection	Type 12 conforming to NEMA
Immunity to microbreaks	100 ms
Electromagnetic compatibility	Fast transient bursts: (immunity tests-conducted disturbances), A and B, 4kV, 2.5 kHz/2 kV, 5 kHz, conforming to IEC 60255-22-4 Fast transient bursts: (immunity tests-conducted disturbances), IV, 4kV, 2.5 kHz, conforming to IEC 61000-4-4 Immunity to conducted RF disturbances: (immunity tests-conducted disturbances), III, 10 V, conforming to IEC 60255-22-6 Immunity to magnetic fields at network frequency: (immunity tests-radiated disturbances), IV, 30 A/m (continuous)-300 A/m (13 s), conforming to IEC 61000-4-8 Immunity to radiated fields: (immunity tests-radiated disturbances), III, 10 V/m, 80 MHz...2 GHz, conforming to IEC 61000-4-3 Surges: (immunity tests-conducted disturbances), III, 2 kV CM, 1 kV MD, conforming to IEC 61000-4-5 Conducted disturbance emission: (emission tests), conforming to IEC 60255-25 Disturbing field emission: (emission tests), conforming to IEC 60255-25 Disturbing field emission: (emission tests), A, conforming to EN 55022 Electrostatic discharge: (immunity tests-radiated disturbances), 8 kV air, 4 kV contact, conforming to ANSI C37.90.3 Electrostatic discharge: (immunity tests-radiated disturbances), 8 kV air, 6 kV contact, conforming to IEC 60255-22-2 Fast transient bursts: (immunity tests-conducted disturbances), 4kV, 2.5 kHz, conforming to ANSI C37.90.1 Immunity to radiated fields: (immunity tests-radiated disturbances), 10 V/m, 80 MHz... 1 GHz, conforming to IEC 60255-22-3 1 MHz damped oscillating wave: (immunity tests-conducted disturbances), 2.5 kV CM, 1 kV MD, conforming to IEC 60255-22-1 1 MHz damped oscillating wave: (immunity tests-conducted disturbances), 2.5 kV CM, 2.5 kV MD, conforming to ANSI C37.90.1 100 kHz damped oscillating wave: (immunity tests-conducted disturbances), 2.5 kV CM, 1 kV MD, conforming to IEC 61000-4-12 Conducted disturbance emission: (emission tests), A, conforming to EN 55022 Immunity to radiated fields: (immunity tests-radiated disturbances), 35 V/m, 25 MHz... 1 GHz, conforming to ANSI C37.90.2 Voltage interruptions: (immunity tests-conducted disturbances), 100 % during 100 ms, conforming to IEC 60255-11

Climatic withstand	Continuous exposure to damp heat (in operation) : Cab: 10 days, 93 % RH, 40 °C conforming to IEC 60068-2-78 Continuous exposure to damp heat (in storage) : Cab: 56 days, 93 % RH, 40 °C conforming to IEC 60068-2-78 Continuous exposure to damp heat (in storage) : Db: 6 days, 95 % RH, 55 °C conforming to IEC 60068-2-30 Exposure to cold (in operation) : Ad: - 25 °C conforming to IEC 60068-2-1 Exposure to cold (in storage) : Ab: - 25 °C conforming to IEC 60068-2-1 Exposure to dry heat (in operation) : Bd: 70 °C conforming to IEC 60068-2-2 Exposure to dry heat (in storage) : Bb: 70 °C conforming to IEC 60068-2-2 Salt mist (in operation) : Kb/2: 6 days conforming to IEC 60068-2-52 Temperature variation with specified variation rate (in storage) : Nb: - 25 °C to 70 °C, 5 °C/min conforming to IEC 60068-2-14 Influence of corrosion/gaz test 2 (in operation) : 21 days, 75 % RH, 25 °C, 0.5 ppm H2S, 1 ppm SO2 conforming to IEC 60068-2-60 Influence of corrosion/gaz test 4 (in operation) : 21 days, 75 % RH, 25 °C, 0.01 ppm H2S, 0.2 ppm SO2, 0.2 ppm NO2, 0.01 ppm Cl2 conforming to IEC 60068-2-60
---------------------------	---

Packing Units

Unit Type of Package 1	PCE
-------------------------------	-----

Number of Units in Package 1	1
Package 1 Height	13.000 cm
Package 1 Width	28.500 cm
Package 1 Length	27.500 cm
Package 1 Weight	3.024 kg
Unit Type of Package 2	S04
Number of Units in Package 2	3
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	9.846 kg
Unit Type of Package 3	P12
Number of Units in Package 3	12
Package 3 Height	50.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	50.583 kg

Contractual warranty

Warranty	18 months
-----------------	-----------



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Total lifecycle Carbon footprint	707
----------------------------------	-----

Environmental Disclosure	Product Environmental Profile
--------------------------	---

Use Better

Materials and Substances

Packaging made with recycled cardboard	No
--	----

Packaging without single use plastic	No
--------------------------------------	----

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
-----------------------------------	--

REACH Regulation	REACH Declaration
------------------	-----------------------------------

Use Again

Repack and remanufacture

Recyclability potential, in %	16
-------------------------------	----

End of life manual availability	End of Life Information
---------------------------------	---

Take-back	No
-----------	----